

FILE 'GENBANK' ENTERED AT 12:56:54 ON 15 APR 1999

L1 1 S AA132964  
L2 0 S THC197949  
L3 417712 S TIGR  
L4 0 S L3 AND 197949  
L5 1 S T70439  
L6 0 S T197949  
L7 0 S TTTTNAAAATACGCTA?/SEQ  
L8 0 S TTTTNAAAATACGCTA?  
L9 0 S TTTTNAAAATAGCTA?

(FILE 'USPAT' ENTERED AT 11:52:37 ON 15 APR 1999)

    E LOK/IN  
L1      3 S E21  
          E ADAMS, R/IN  
L2      3 S E69  
          E JELMBERG, A/IN  
          E WHITMORE, T/IN  
          E FARRAH, TE/IN  
L3      1 S E4  
L4      7 S L1 OR L2 OR L3  
L5      0 S CYTOKINE RECEPTOR (2W) (11)  
L6      1 S ZCYTOR?

1. 5,827,552, Oct. 27, 1998, Production of fermented food products; Stanley E. Mainzer, et al., 426/7, 34, 42, 43, 61; 435/99, 170, 207, 252.3, 252.4, 252.9 [IMAGE AVAILABLE]
2. 5,776,725, Jul. 7, 1998, Recombinant production of glucagon receptors; Wayne R. Kindsvogel, et al., 435/69.1, 252.3, 254.11, 320.1, 325; 536/23.5, 24.31 [IMAGE AVAILABLE]
3. 5,770,445, Jun. 23, 1998, Glucagon receptor proteins, peptides, and antibodies; Wayne R. Kindsvogel, et al., 435/334; 514/2; 530/324, 325, 326, 327, 328, 350, 388.22, 389.1 [IMAGE AVAILABLE]
4. 5,753,462, May 19, 1998, Secretion leader trap cloning method; **Si Lok**, 435/6, 69.1; 536/23.1 [IMAGE AVAILABLE]
5. 5,726,286, Mar. 10, 1998, Isolated epstein-barr virus BZLF2 proteins that bind MHC class II beta chains; Mark Alderson, et al., 530/300; 435/69.3; 530/350 [IMAGE AVAILABLE]
6. 5,639,648, Jun. 17, 1997, Production of fermented food; Stanley E. Mainzer, et al., 435/207, 69.1, 252.3, 320.1; 536/23.2 [IMAGE AVAILABLE]
7. 5,411,873, May 2, 1995, Process for producing heterologous polypeptides; **Robin M. Adams**, et al., 435/69.1, 69.7, 69.8 [IMAGE AVAILABLE]

=> d his

(FILE 'USPAT' ENTERED AT 11:52:37 ON 15 APR 1999)  
E LOK/IN  
L1 3 S E21  
E ADAMS, R/IN  
L2 3 S E69  
E JELMBERG, A/IN  
E WHITMORE, T/IN  
E FARRAH, TE/IN  
L3 1 S E4  
L4 7 S L1 OR L2 OR L3

LOCUS (LOC): **T70439** GenBank (R)  
 GenBank ACC. NO. (GBN): **T70439**  
 CAS REGISTRY NO. (RN): 163824-93-9  
 SEQUENCE LENGTH (SQL): 418  
 MOLECULE TYPE (CI): mRNA; linear  
 DIVISION CODE (CI): Expressed sequence tag  
 DATE (DATE): 7 Mar 1995  
 DEFINITION (DEF): yd13h08.r1 Homo sapiens cDNA clone 67071 5'.  
 KEYWORDS (ST): EST  
 SOURCE:  
 human clone=67071 library=Soares fetal liver spleen  
 1NFLS vector=pt7T3D (Pharmacia) with a modified  
 polylinker host=DH10B (ampicillin resistant)  
 primer=M13RP1 Rsite1=Pac I Rsite2=Eco RI Liver and  
 spleen from a 20 week-post conception male fetus. 1st  
 strand cDNA was primed with a Pac I - oligo(dT) primer  
 [5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTT 3'],  
 double-stranded cDNA was ligated to Eco RI adaptors  
 (Pharmacia), digested with Pac I and cloned into the  
 Pac I and Eco RI sites of the modified pT7T3 vector.  
 Library went through one round of normalization.  
 Library constructed by Bento Soares and M.Fatima  
 Bonaldo.  
 ORGANISM (ORGN): Homo sapiens  
 Eucaryotae; Metazoa; Chordata; Vertebrata;  
 Gnathostomata; Mammalia; Eutheria; Primates;  
 Catarrhini; Hominidae; Homo  
 NUCLEIC ACID COUNT (NA): 104 a 109 c 110 g 91 t 4 others  
 COMMENT:  
 Contact: Wilson RK  
 WashU-Merck EST Project  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
 Tel: 314 286 1800  
 Fax: 314 286 1810  
 Email: est@watson.wustl.edu  
 High quality sequence stops: 387  
 Source: IMAGE Consortium, LLNL  
 This clone is available royalty-free through LLNL ; contact the  
 IMAGE Consortium (info@image.llnl.gov) for further information.  
 REFERENCE:  
 AUTHOR (AU): Hillier,L.; Clark,N.; Dubuque,T.; Elliston,K.;  
 Hawkins,M.; Holman,M.; Hultman,M.; Kucaba,T.; Le,M.;  
 Lennon,G.; Marra,M.; Parsons,J.; Rifkin,L.;  
 Rohlfing,T.; Soares,M.; Tan,F.; Trevaskis,E.;  
 Waterston,R.; Williamson,A.; Wohldmann,P.; Wilson,R.  
 TITLE (TI): The WashU-Merck EST Project  
 JOURNAL (SO): Unpublished (1995)  
 FEATURES (FEAT):  

Feature	Key	Location	Qualifier
source	1..418		/organism="Homo sapiens" /clone="67071"

 SEQUENCE (SEQ):  
 1 ggcacgagct cctaaccacca tggattcaaa gtgctcaggg aatttgcctc tccttgcccc  
 61 attcctggcc agtttaccaa tctagctcgaa cagcagttaga ggccctgtcc tctttctgtc  
 121 attgttcaaa ggtggaaaga gagcctggaa aagaaccagg cctggaaaag aaccagaagg  
 181 aggctggca gaaccagaac aacctgcact tctgccaagg ccaggcagc aggacggcag  
 241 gacttctagg gaggggtgtt gcctgcagct tcattccag ccaggcaac tgcttnacgt

301 ttgcacgatt ttcagcttgc atttcctctg attagaacaa agcgaaac aggttccacc  
361 aaaaaaagggggg agacacaat gcttttttn cagggcagga gttttcaac ctttcct

LOCUS (LOC): **AA132964** GenBank (R)  
 GenBank ACC. NO. (GBN): **AA132964**  
 CAS REGISTRY NO. (RN): 183777-04-0  
 SEQUENCE LENGTH (SQL): 449  
 MOLECULE TYPE (CI): mRNA; linear  
 DIVISION CODE (CI): Expressed sequence tag  
 DATE (DATE): 27 Nov 1996  
 DEFINITION (DEF): zo22b02.s1 Stratagene colon (#937204) Homo sapiens  
 cDNA  
 clone 587595 3'.  
 KEYWORDS (ST): EST  
 SOURCE: human.  
 ORGANISM (ORGN): Homo sapiens  
 Eukaryotae; mitochondrial eukaryotes; Metazoa;  
 Chordata; Vertebrata; Eutheria; Primates; Catarrhini;  
 Hominidae; Homo  
 NUCLEIC ACID COUNT (NA): 110 a 108 c 109 g 121 t 1 others  
 COMMENT:  
 Contact: Wilson RK  
 WashU-Merck EST Project  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
 Tel: 314 286 1800  
 Fax: 314 286 1810  
 Email: est@watson.wustl.edu  
 This clone is available royalty-free through LLNL ; contact the  
 IMAGE Consortium (info@image.llnl.gov) for further information.  
 Seq primer: -40M13 fwd. from Amersham  
 High quality sequence stop: 360.  
 REFERENCE:  
 AUTHOR (AU): 1 (bases 1 to 449)  
 Hillier,L.; Clark,N.; Dubuque,T.; Elliston,K.;  
 Hawkins,M.; Holman,M.; Hultman,M.; Kucaba,T.; Le,M.;  
 Lennon,G.; Marra,M.; Parsons,J.; Rifkin,L.;  
 Rohlfing,T.; Tan,F.; Trevaskis,E.; Waterston,R.;  
 Williamson,A.; Wohldmann,P.; Wilson,R.  
 TITLE (TI): WashU-Merck EST Project  
 JOURNAL (SO): Unpublished (1995)  
 FEATURES (FEAT):  

Feature Key	Location	Qualifier
source	1..449	/organism="Homo sapiens" /note="Organ: colon; Vector: pBluescript SK-; Site-1: EcoRI; Site-2: XhoI; Cloned unidirectionally. Primer: Oligo dT. T-84 colonic epithelial cell line. Average insert size: 1.0 kb; Uni-ZAP XR Vector; ~5' adaptor sequence: 5' GAATTCTGGCACGAG 3' ~3' adaptor sequence: 5' CTCGAGTTTTTTTTTTTTTTTT /clone="587595" /clone-lib="Stratagene colon (#937204)" /lab-host="SOLR cells (kanamycin resistant)"
mRNA	complement(<1..>449)	

 SEQUENCE (SEQ):

1 aaatagctac cgtttattgg gcactgcatt gtaccaggca ctattaaata ctttaaagac  
61 atgacttcat ttcattttttt ccacaactcc atgaggttagg ttgttatccc cccacattac  
121 agatgaggaa accgaggccc tgggcactga tttcatttgtt ttgaagtacac acagcttgc  
181 agtggtgagg ctggaaatttgc agcccagatg gntgaaccca aggcagagct tgcaaagtgc  
241 tgacatcagt acagtgtgtt attgtacccg tccaggggccc acagccctca ccttccttc  
301 aaacccatt ctcaggatag ggtctgaaac tcctgcctgc agaaaaggct tgggtgtctc  
361 cctcccttgtt ggacctgcat ttgcgtttgt tctatcagag gaatgaagct gaaatcgtgc  
421 aacgtcaggc agttgccctg gctggaaat